

**NAVY TRAINING SYSTEM PLAN**

**FOR THE**

**C-20D/G AIRCRAFT**

**N88-NTSP-A-50-9306A/D**

**MARCH 2001**

## **C-20D/G AIRCRAFT**

### **EXECUTIVE SUMMARY**

This C-20D/G Aircraft Navy Training System Plan provides an overview of the C-20D/G Aircraft program and its concepts for operation, support, manpower, and training. The C-20D Gulfstream III and C-20G Gulfstream IV Aircraft is a derivative of the off-the-shelf, Federal Aviation Administration certified aircraft. The C-20D/G Aircraft program is in Phase III (Production, Fielding, Deployment, and Operational Support) of the Weapon System Acquisition Process. The latest C-20D/G Aircraft modifications include: Traffic Alert and Collision Avoidance System, Enhanced Ground Proximity Warning System, Dual Flight Management System, Dual 12-Channel Global Positioning System, and Improved Automatic Flight Control System.

The C-20D Aircraft provides air transportation for high priority executive personnel and baggage. The C-20D Aircraft inventory consists of two aircraft; both aircraft are assigned to Fleet Logistics Support Squadron One (VR-1), Naval Air Facility (NAF) Washington, D.C.

The C-20G Aircraft is a logistic support aircraft designed for the transportation of passengers and cargo in support of Navy Unique Fleet Essential Airlift mission requirements. The C-20G Aircraft inventory currently consists of five aircraft. Two C-20G Aircraft are assigned to VR-48, NAF Washington, D.C., and two aircraft are assigned to VR-51, Marine Corps Air Station (MCAS) Kaneohe Bay, Hawaii. C-20G Aircraft Bureau number 165153, while attached to Marine Aircraft Support Detachment NAF Washington, D.C., and on deployment in Florida, received extensive damage from a tornado in March 1998, and is undergoing repair at the contractor's facility in Cahokia, Illinois. This aircraft is scheduled to return to a flying status in June 2001 and be transferred to MCAS Kaneohe Bay, Hawaii.

Temporary Active Duty (TAR) Naval Pilots operate the C-20D Aircraft located at VR-1. Both TAR and Selected Reserve (SELRES) Naval Pilots operate the C-20G Aircraft located at VR-48 and VR-51. Active Duty Navy personnel at VR-1 perform organizational level maintenance and limited intermediate level maintenance, while TAR and SELRES personnel perform organizational level maintenance and limited intermediate level maintenance at VR-48. Full depot level maintenance is provided by a Contractor Logistic Support (CLS) contract at VR-1 and VR-48. VR-51 uses CLS for full organizational, intermediate, and depot level maintenance.

All C-20D/G Pilot and maintenance training is provided by Flight Safety International located in Savannah, Georgia, and Long Beach, California. Commander Fleet Wing Support Joint Reserve Base Fort Worth, Texas, provides C-20G Fixed Wing Loadmaster (R-553-3000) training.

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**LIST OF ACRONYMS**

ACDU	Active Duty
AD	Aviation Machinist's Mate
ADF	Automatic Direction Finder
AE	Aviation Electrician's Mate
AFCS	Automatic Flight Control System
AM	Aviation Structural Mechanic
AME	Aviation Structural Mechanic (Safety Equipment)
AMTCS	Aviation Maintenance Training Continuum System
AOB	Average Onboard
AT	Aviation Electronics Technician
ATIR	Annual Training Input Requirement
CIN	Course Identification Number
CINCLANTFLT	Commander In Chief U.S. Atlantic Fleet
CINCPACFLT	Commander In Chief U.S. Pacific Fleet
CLS	Contractor Logistic Support
CMC	Commandant of the Marine Corps
CMP	Computerized Maintenance Program
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
COMBS	Contractor Operated and Maintained Base Supply
COMNAVAIRESFOR	Commander Naval Air Reserve Force
COMNAVAIRPAC	Commander Naval Air Forces Pacific
COMSEC	Communication Security Equipment
DAFCS	Digital Automatic Flight Control System
DME	Distance Measuring Equipment
EDS	Electronic Display System
EFIS	Electronic Flight Instrument System
EGPWS	Enhanced Ground Proximity Warning System
FAA	Federal Aviation Administration
FMS	Flight Management System
FSI	Flight Safety International
FY	Fiscal Year
GAC	Gulfstream Aerospace Company

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**LIST OF ACRONYMS**

GFE	Government Furnished Equipment
GIII	Gulfstream III Aircraft
GIV	Gulfstream IV Aircraft
GNSSU	Global Navigation Satellite System Unit
GPS	Global Positioning System
HF	High Frequency
IFF	Identification Friend or Foe
ILSP	Integrated Logistics Support Plan
JRB	Joint Reserve Base
MASD	Marine Aircraft Support Detachment
MATMEP	Maintenance Training Management and Evaluation Program
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MOS	Military Occupational Specialty
MPT	Manpower, Personnel, and Training
MTIP	Maintenance Training Improvement Program
NA	Not Applicable
NAF	Naval Air Facility
NAMP	Naval Aviation Maintenance Program
NATOPS	Navy Air Training and Operating Procedures Standardization
NAVAIRSYSCOM	Naval Air Systems Command
NAVMAC	Naval Manpower Analysis Center
NAVPERSCOM	Naval Personnel Command
NEC	Navy Enlisted Classification
NTSP	Navy Training System Plan
OLSP	Operational Logistics Support Plan
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	OPNAV Principal Official
PDA	Principal Development Agency
PMA	Program Manager, Air
PQS	Personnel Qualification Standards

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**LIST OF ACRONYMS**

PR	Parachute Rigger
PSE	Peculiar Support Equipment
RFT	Ready For Training
SELRES	Selected Reserve
SRA	Shop Replaceable Assembly
TAR	Training and Administration of Reserves
TCAS	Traffic Alert and Collision Avoidance System
TD	Training Device
TFMMS	Total Force Manpower Management System
TO	Table of Organization
TSA	Training Support Agency
TTE	Technical Training Equipment
USMC	United States Marine Corps
VHF	Very High Frequency
VN	Vertical Navigation
VR	Fleet Logistics Support Squadron
WRA	Weapon Replaceable Assembly

## **C-20D/G AIRCRAFT**

### **PREFACE**

This Draft Navy Training System Plan (NTSP) has been developed to update the Approved C-20G Logistics Aircraft Navy Training Plan, A-50-9306/A, dated March 1994. This document has been updated to comply with guidelines set forth in the Navy Training Requirements Documentation Manual, Office of the Chief of Naval Operations (OPNAV) Publication P-751-1-9-97.

This NTSP provides the latest information about the C-20D/G Aircraft, including training, manpower, aircraft modifications, schedules, and points of contact. The C-20D/G Aircraft has incorporated the following major modifications since the last C-20 Aircraft NTSP was approved: Traffic Alert and Collision Avoidance System (TCAS), Enhanced Ground Proximity Warning System (EGPWS), Dual Flight Management System (FMS), Improved Global Positioning System (GPS), and Improved Automatic Flight Control System (AFCS).

At this time, there are several action items being reviewed concerning the C-20D and C-20G programs. Specifically, following a Maintenance Training Requirements Review held in August 2000, Commander Naval Air Reserve Force (COMNAVAIRESFOR) was tasked with establishing C-20D and C-20G organizational maintenance technician pipelines. C-20D/G organizational maintenance courses are currently contracted through Flight Safety International (FSI) and taught in Savannah, Georgia. Course Identification Numbers (CIN) are also in the process of being established or modified. Also, pending final approval, C-20G organizational maintenance technicians will be awarded Navy Enlisted Classification (NEC) 8314 after successful completion of FSI courses. A possible new NEC for C-20D organizational maintenance technicians is also being reviewed.

COMNAVAIRESFOR is the Aircraft Controlling Custodian for all United States Naval Reserve and Marine Corps aircraft at Naval Air Facility (NAF) Washington, D.C., and Marine Corps Air Station (MCAS) Kaneohe Bay, Hawaii. Pending final authorization, C-20G Aircraft Bureau Number 165153 is scheduled to be transferred from Marine Aircraft Support Detachment (MASD), NAF Washington, to MCAS Kaneohe Bay, thus becoming a Commander, Naval Air Pacific (COMNAVAIRPAC) asset.

**PART I - TECHNICAL PROGRAM DATA**

**A. NOMENCLATURE-TITLE-PROGRAM**

**1. Nomenclature-Title-Acronym.** C-20D/G Aircraft

**2. Program Element.** 0505196N

**B. SECURITY CLASSIFICATION**

**1. System Characteristics** ..... Unclassified

**2. Capabilities** ..... Unclassified

**3. Functions**..... Unclassified

**C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS**

OPNAV Principal Official (OPO) Program Sponsor..... CNO (N780G1)

OPO Resource Sponsor ..... CNO (N780G1)

Marine Corps Program Sponsor..... CMC (APW-61)

Developing Agency..... NAVAIRSYSCOM (PMA207)

Training Agency ..... COMNAVRESFOR

Training Support Agency ..... NAVAIRSYSCOM (PMA205)  
COMNAVVAIRESFOR

Manpower and Personnel Mission Sponsor ..... CNO (N12)  
NAVPERSCOM (PERS-4, PERS-404)

Director of Naval Training..... CNO (N795)

Commander, Reserve Program Manager ..... COMNAVVAIRESFOR (N36)

Marine Corps Force Structure..... MCCDC (ASM-42)



## **D. SYSTEM DESCRIPTION**

### **1. Operational Uses**

**a. C-20D.** The mission of the C-20D Aircraft is to provide air transportation for high priority executive personnel or distinguished visitors and baggage.

**b. C-20G.** The C-20G Aircraft is a logistic support aircraft designed for the transportation of passengers and cargo in support of Navy Unique Fleet Essential Airlift mission requirements. The C-20G Aircraft transports personnel and cargo utilizing various passenger and cargo configurations.

### **2. Foreign Military Sales. Not Applicable (NA)**

## **E. DEVELOPMENTAL TEST AND OPERATIONAL TEST**

### **1. C-20D. NA**

**2. C-20G.** A Technical Evaluation of all systems and flying capabilities, as well as emergency egress and cargo loading, was successfully performed in Fiscal Year (FY) 94 by Force Warfare Aircraft Test Directorate, Naval Air Warfare Center Aircraft Division, Patuxent River, Maryland. An Operational Evaluation was not required.

## **F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. NA**

## **G. DESCRIPTION OF NEW DEVELOPMENT**

**1. Functional Description.** The C-20D Gulfstream III (GIII) and the C-20G Gulfstream IV (GIV) Aircraft are manufactured by Gulfstream Aerospace Company (GAC). Both aircraft were procured as a commercial-derivative aircraft certified under a Federal Aviation Administration (FAA) Type certificate. The C-20D/G Aircraft is capable of all weather, long-range, high-speed, non-stop flights up to an altitude of 45,000 feet between nominally suited airports. Both aircraft contain a walk-in baggage area of 157 cubic feet, fully pressurized, and accessible from the cabin.

**a. C-20D.** The C-20D Aircraft is a two engine, swept-wing, high altitude, aircraft used as a special mission aircraft. The aircraft uses a retractable tricycle landing gear and a hydraulic powered nose wheel steering system and is powered by two Spey Mark 511-8 Rolls-Royce Turbofan Engines. The aircraft's engines are equipped with thrust reversers. The aircraft has an executive compartment with accommodations for five passengers and a staff compartment with accommodations for eight passengers.

**b. C-20G.** The C-20G Aircraft is a two engine, low-wing, twin turbofan, pressurized monoplane, specifically designed for all-weather operation at high altitudes. The

aircraft uses a fully retractable landing gear and is powered by two aft-mounted Rolls-Royce Limited Tay MK611-8 Turbofan Engines. The C-20G Aircraft's engines are also equipped with thrust reversers. The aircraft may be configured for cargo operations, passenger operations, or combinations of the two. With passenger seats removed, the aircraft may be modified to the following configurations: three pallets and no passengers, two pallets and eight passengers, and one pallet and 14 or 20 passengers. With a full complement of seats installed, the aircraft is capable of accommodating up to 26 passengers and a crew of four. Without a full complement of seats installed, the C-20G can carry a total of 4758 pounds of cargo. A hydraulically operated cargo door is installed on the starboard side of the aircraft to facilitate loading and unloading of cargo. A ball roller cargo floor is capable of accommodating palletized cargo.

**c. C-20D/G Avionics Equipment.** C-20D and C-20G Aircraft avionics equipment are depicted in the following table:

<b>EQUIPMENT TITLE</b>	<b>C-20D GIII</b>	<b>C-20G GIV</b>
Very High Frequency (VHF) Communication Transceiver	VHF Communication Transceiver-21B	VHF Communication Transceiver-422B
Intercommunications System	Baker M1045	Baker M1045
High Frequency (HF) Radio Set	AN/ARC-190(V)	AN/ARC-9000
Ultra HF Radio	AN/ARC-164(V)	AN/ARC-164(V)
Identification Friend or Foe (IFF) Transponder Set	AN/APX-100(V)	AN/APX-100(V)
Air Traffic Control Transponder	TDR-94	TDR-94
IFF Receiver Transmitter	RT-1296	RT-1157
Distance Measuring Equipment (DME)	DME-42	DME-442
Tactical Air Communication and Navigation	AN/ARN-136A(V)	AN/ARN-153(V)
VHF Navigation Receiver	VIR-32	VIR-432
Automatic Direction Finder (ADF)	ADF-60A	ADF-462
Automatic Flight Control System	SPZ-800	SPZ-8400
Flight Data Recorder	PV-1584	F1000

<b>EQUIPMENT TITLE</b>	<b>C-20D GIII</b>	<b>C-20G GIV</b>
Cockpit Voice Recorder	A-100	A-100A
Emergency Locator Beacon	DM-ELT 8.1	DM-ELT 14
Enhanced Ground Proximity Warning System	Mark III	Mark V
Wind Shear	Included in EGPWS (Mode 7)	Included in EGPWS (Mode 7)
Traffic Alert and Collision Avoidance System	TCAS-2000	TCAS-2000
Electronic Flight Instrument System (EFIS)	EFIS-10	EDZ-884
Flight Management System	FMZ-2000	FMZ-2000
Transponder, Mode	TDR-90	TDR-90
Weather Color Radar	RDS-86	PRIMUS-870
Computer Flight Director/Guidance	FZ-500	FZ-820
Digital Air Data Computer	AZ-800	AZ-810
Inertial Reference System	YG-1761 (II)	LASEREF II
Radio Altimeter	ALT-55B	AA-300
Radio Receiver-Transmitter	NA	RT-300
Attitude Heading Reference System	VG-311	HG-1076AA01
Control Display Vertical Navigation (VN)	VN-801	NA
Compass System Automatic	C-11B	FXU-803A

**2. Physical Description.** C-20D and C-20G Aircraft physical description and parameters are depicted below.

PARAMETER	C-20D GIII	C-20G GIV
Maximum Ramp Gross Weight	70,200 pounds	73,600 pounds
Maximum Takeoff Gross Weight	69,700 pounds	73,200 pounds
Maximum Landing Gross Weight	58,500 pounds	58,500 pounds
Maximum Zero Fuel Gross Weight	44,000 pounds	49,000 pounds
Wing Span	77.10 feet	77.83 feet
Length	83.20 feet	88.40 feet
Tail Height	24.37 feet	24.51 feet
Horizontal Stabilizer (Width)	27.00 feet	32.00 feet
Main Landing Gear Span	13.80 feet	13.80 feet
Range in Nautical Miles (nm)	4,100 nm	3,200 nm
Cruise Speed (Maximum)	576 knots	490 knots

### 3. New Development Introduction

**a. C-20D.** In 1984, the United States Air Force competed and awarded a contract to GAC for lease with the option to buy C-20 aircraft. In 1986, the Navy was authorized to procure two C-20 Aircraft to replace the aging TA-3B Aircraft. This requirement was to be satisfied through participation in the Air Force C-20 program. Two C-20D Aircraft were purchased and delivered to Fleet Logistics Support Squadron (VR-1) NAF Washington, D.C., in 1987.

**b. C-20G.** The C-20G Aircraft was a new manufacture, commercial transport type airplane manufactured by GAC. Initiation of the C-20G Aircraft procurement process began with the submission of the initial procurement request in May 1991 followed by a contract being awarded in March 1992. Five C-20G Aircraft were delivered in 1995.

**4. Significant Interfaces.** The existing Contractor Operated and Maintained Base Supply (COMBS) at NAF Washington, D.C., is operated as a joint United States Air-Force-Navy-Army facility. The COMBS facility is augmented as required to include Navy support requirements. The contractor established and maintains a maintenance data collection system. This system, the GAC Computerized Maintenance Program (CMP), includes on-site Electronic Data Transmittal capability. The government has access capability for review and extraction of the CMP data. The COMBS system also ensures the availability of all support equipment

required for aircraft maintenance for the C-20D/G. Full-service C-20G COMBS and CMP capabilities are also available at MCAS Kaneohe Bay, Hawaii.

**5. New Features, Configurations, or Material.** The C-20D and C-20G Aircraft have recently incorporated modifications, which include:

**a. Traffic Alert and Collision Avoidance System.** The TCAS-2000 warns the Pilot of traffic conflicts and gives guidance to avoid collision. It is a requirement for European airspace operations. The system features enhanced sensitivity and detection range, increased processor speed, and lower weight, while enabling future TCAS upgrades. The TCAS is an instrument integrated into other C-20D/G systems in the aircraft cockpit. It consists of hardware and software that together provide a set of electronic eyes so that the Pilot can see the traffic situation in the vicinity of the aircraft. Part of the TCAS capability is a display showing the Pilot the relative positions and velocities of aircraft up to 40 miles away. The instrument sounds an alarm when it determines that another aircraft will pass too closely to the subject aircraft. TCAS provides a backup to the Air Traffic Control system's regular separation processes. The system determines the course of each approaching aircraft, climbing, descending, or flying straight and level. TCAS then issues a resolution advisory advising the Pilot to execute an evasive maneuver necessary to avoid the other aircraft, such as climb or descend. TCAS 2000 was installed in all C-20D/G Aircraft in FY99.

**b. Enhanced Ground Proximity Warning System.** The EGPWS is a terrain awareness and warning system that incorporates terrain alerting and display functions. These functions use aircraft geographic position, aircraft altitude, and the terrain database to predict potential conflicts between the aircraft's flight path and the terrain, and to provide graphic displays of the conflicting terrain. The C-20D utilizes the EGPWS Mark III configuration while the C-20G Aircraft uses the Mark V version. EGPWS was installed in all C-20D/G Aircraft in FY99.

**c. Global Positioning System.** The GPS modification included the installation of a 12-channel receiver. The Global Navigation Satellite System Unit (GNSSU) offers precise position and guidance information and enhanced approach capability using the GPS. The 12-channel receiver tracks all satellites in view, which could be as many as 12, to provide precise position determination. Advanced multiple positions correlator signal processing gives the GNSSU fast satellite acquisition and enhanced satellite tracking capabilities.

**d. Flight Management System.** Both the C-20D and C-20G Aircraft incorporate the FMZ-2000 FMS, but utilize different configurations. The FMS provides lateral and vertical navigation guidance for display and coupling to the AFCS. The system provides high accuracy, long-range navigation and the navigation computer connects to the inertial reference system. The C-20D/G FMS was installed in FY99.

**(1) C-20D Unique Modifications.** The installation of the FMS was interfaced with the existing EFIS. The EFIS-10 is an electronic instrument system that displays digital information from avionics subsystems. It allows the flight crew to easily view navigation,

weather radar, landing, and other vital flight information via two display units, one symbol generator, and an EFIS control panel. The display units, like computer monitors, provide visual information to the flight crew from the symbol generator. Crews select the particular subsystem to display using the EFIS control panel.

**(2) C-20G Unique Modifications.** The installation of the FMS was interfaced with the existing Electronic Display System (EDS). The EDS-884 provides the flight crew with complete flight path, navigation, engine, and systems information. Specifically, the EDS displays heading, course, radio bearing, pitch and roll attitude, barometric altitude, calibrated airspeed, selected alert altitude, vertical speed, angle of attack, radio altitude, lateral and vertical deviation, engine parameters, weather advisories, and caution and advisory indications. EDS consists of the EFIS, Engine Instrument, and Crew Alerting System.

**(3) SPZ-8000 Digital Automatic Flight Control System.** The C-20G incorporates the SPZ-8000 Digital Automatic Flight Control System (DAFCS). The SPZ-8000 provides “fail-operational” execution of flight director guidance, autopilot, yaw damper, and trim functions. “Fail-operational” is defined as a fault or failure of a system component that causes an automatic switch to an identical backup component without any interruption in the system operation. Automatic path mode commands are generated by a flight guidance DAFCS computer which integrates the attitude and heading reference, air data, weather radar, radio altimeter, EDS, and FMS into a complete aircraft control system. The system provides the stabilization and control needed to ensure optimum performance throughout the aircraft flight regime.

## **H. CONCEPTS**

### **1. Operational Concept**

**a. C-20D.** The C-20D Aircraft is operated by two Pilots and a Crew Chief. Aircrewman and/or Flight Stewards (special assignment) are added as required.

**b. C-20G.** The C-20G Aircraft is operated by two Pilots and a Crew Chief. A Flight Attendant and Loadmaster are added as required.

**2. Maintenance Concept.** The maintenance concept for the C-20D/G Aircraft is based on the three levels of maintenance as stated in the Naval Aviation Maintenance Program (NAMP), Office of the Chief of Naval Operations Instruction (OPNAVINST) 4790.2 (series). For the C-20D/G Aircraft program, OPNAVINST 4790.2 series is utilized for general policies and reporting procedures only. Organizational maintenance is provided by contractor personnel at MASD, NAF Washington, D.C., and at VR-51 located at MCAS Kaneohe Bay, Hawaii. Overhaul and repair of contractor furnished equipment is handled via FAA approved sources and meets serviceability, inspection criteria, and functional test requirements of the FAA and component manufacturer. When applicable, repaired items will show evidence of FAA certification. The contractor is required to support the Operational Readiness goals of 85% Full Mission Capable rate, including 75 flight hours per month per aircraft for the C-20D and 125 flight hours per month per aircraft for the C-20G. The C-20D/G Aircraft maintenance concept is performed in

accordance with the requirements and procedures prescribed by GAC, utilizing the CMP. The only Government Furnished Equipment (GFE) is the Communication Security Equipment (COMSEC). If GFE COMSEC is removed for repair, the contractor will record removal and installation data, and return unserviceable items to the operating squadron or detachment for repair.

**a. Organizational.** Navy personnel at VR-1 and VR-48, NAF Washington, D.C., perform C-20D/G organizational level maintenance. Active Duty (ACDU) personnel at VR-1 and Training and Administration of Reserves (TAR) and Selected Reserve (SELRES) personnel at VR-48 perform organizational level maintenance. Organizational level maintenance is performed by Contractor Logistic Support (CLS) contract at MASD, NAF Washington, and VR-51 MCAS Kaneohe Bay, Hawaii. When the MASD aircraft is transferred to MCAS Kaneohe Bay, organizational level maintenance will continue to be performed by CLS.

**(1) Preventive Maintenance.** C-20D/G preventative maintenance consists of standard pre-flight and post-flight inspections, and regular calendar and flight hour corrosion and material inspections in accordance with the Maintenance Requirements Cards.

**(2) Corrective Maintenance.** C-20D/G corrective maintenance consists of fault isolation to a defective Weapon Replaceable Assembly (WRA) or Shop Replaceable Assembly (SRA), removal and replacement of defective WRAs or SRAs, and verification of the repair using built-in test equipment, the appropriate test sets, or common support equipment. WRAs and SRAs requiring repair beyond the capability of the organizational level are forwarded to the appropriate COMBS for replacement and/or repair.

**b. Intermediate.** The C-20D/G intermediate maintenance is performed in accordance with the requirements and procedures prescribed by GAC utilizing the CMP and as directed by the Navy Program Office (PMA207). Military personnel perform limited intermediate maintenance at VR-1 and VR-48 NAF Washington. Limited intermediate level maintenance is comprised of wheel and tire build-up, battery check and servicing, survival equipment servicing, and oxygen and life raft checks. The contractor provides full C-20D/G intermediate level maintenance for all MCAS Kaneohe Bay aircraft.

**c. Depot.** The contractor at a FAA licensed facility performs all depot level maintenance. Currently, Midcoast Aviation, a wholly owned subsidiary of Sabreliner Corporation, provides depot maintenance, repair, and painting services at St. Louis Downtown Parks Airport, Cahokia, Illinois. All depot level maintenance modifications, inspections, and rework are accomplished at this facility.

**d. Interim Maintenance.** GAC contractor field service personnel maintaining the C-20G Aircraft at MCAS Kaneohe Bay provide technical support and field team assistance. Field team assistance is defined as those occasions when contractor personnel are dispatched at the government's request to a location other than the contractor's facility for the purpose of accomplishing aircraft maintenance. Until October 2000, VR-1, NAF Washington, had a permanent C-20D GAC technical representative assigned to them, but due to the contract

expiring, a C-20D technical representative is no longer readily available. “Drop-in” maintenance is also available for maintenance beyond the capability of the organizational level. “Drop-in” maintenance normally consists of modernization, modification, conversion, in-service repair, or other major maintenance actions that are performed at the contractor’s facility.

**e. Life Cycle Maintenance Plan.** The Standard Depot Level Maintenance based maintenance philosophy was replaced with the Integrated Maintenance Concept in October 2000. GAC performs scheduled depot level maintenance at 72-month intervals and at the completion of 5,000 landings and every 2,000 landings thereafter, in accordance with GAC GIII and GIV maintenance manuals. Heavy engine maintenance is provided by Rolls-Royce of Canada. The C-20D/G engine mid-life inspection is performed at 4000 flight hours, while an engine overhaul is performed at 8000 flight hours. The C-20D/G Aircraft has an expected life of 20,000 flight hours and 20,000 ground-air-ground cycles flown to corporate aircraft usage spectra, except for those life-limited components identified in the C-20D/G maintenance manual that identify FAA approved retirement times.

**3. Manning Concept.** The C-20D/G Aircraft manpower requirements for Pilots and Aircrew are driven by the Required Operating Capability and Projected Operational Environment. The C-20D/G manpower requirements are as follows:

POSITION	DESIGNATOR/ RATING	NEC	MOS	CREW RATIO		SEAT FACTOR
				USN	USMC	
Pilot - Copilot	1311, 1312		7553	6.0	4.0	2
Crew Chief	AD AE AME AM	8245	NA	6.0	4.0	1
Loadmaster	Any Aviation Specialty	8278	NA	6.0	4.0	1
Aircrewman (Special Assignment)	Determined by CHNAVPERS	8202		6.0	NA	1

**a. Estimated Maintenance Man-Hours per Flight Hour. NA**



**b. Proposed Utilization**

**C-20D/G AIRCRAFT PLANNED UTILIZATION**

<b>ACTIVITY:</b>	<b>VR-1</b>	<b>VR-48</b>	<b>VR-51</b>	<b>MCAS Kaneohe Bay</b>
Aircraft per Activity.....	2	2	2	1
Average monthly utilization rate per aircraft (hours).....	100	100	100	100
Average sortie length in hours...	4.0	6.0	6.0	6.0

**c. Recommended Qualitative and Quantitative Manpower Requirements.**

Manpower requirements shown in Part II for C-20D/G squadrons were extracted from the Total Force Manpower Management System (TFMMS) and Marine Corps Table of Organization (T/O) dated 22 February 2001. The Marine Corps personnel that will operate the C-20G Aircraft at MCAS Kaneohe Bay, Hawaii, will have various Military Occupational Specialties (MOS), but Pilots will require secondary MOS 7553 (C-20 Pilot). Marine Corps Crew Chiefs and Loadmasters do not require a specific MOS to operate the C-20G Aircraft.

<b>ACTIVITY</b>	<b>BILLET TYPES</b>	<b>AIRCREW DESIG/NEC/MOS</b>	<b>MAINTENANCE NEC</b>
MCAS Kaneohe Bay, T/O 8323	USMC ACDU	9967/9969	NA - CLS
VR-48, UIC 52893	USN TAR and SELRES	1311/8245/8278	8314
VR-51, UIC 39501	USN TAR and SELRES	1311/8245/8278	NA - CLS
VR-1, UIC 42884	Officer - USN TAR Enlisted - USN ACDU	1311/8245/8202	83XX

**4. Training Concept.** All C-20D/G Aircraft on-going initial and recurrent Pilot, Crew Chief, and maintenance training is provided by a contract with FSI, located in Savannah, Georgia, and Long Beach, California. C-20D/G Aircraft organizational maintenance training is only available through FSI's Savannah training center. COMNAVIAIRESFOR is in the process of establishing the following C-20D/G organizational maintenance technician pipelines:

- R-102-2017, C-20D Avionics/Electrical Initial

- R-601-2017, C-20D Powerplants/Airframes Initial
- R-102-2015, C-20G Avionics/Electrical Initial
- R-601-2015, C-20G Powerplants/Airframes Initial

Additional information on the approved pipelines, CINs, and stand- alone C-20D/G organizational maintenance courses will be included in future updates to this C-20D/G Aircraft NTSP.

The only course not provided by contract is C-20G Loadmaster training. C-20G Loadmasters attend *R-553-3000, Fixed Wing Loadmaster Course*, at Joint Reserve Base (JRB) Fort Worth, Texas. Although not a specific requirement, many Loadmasters attend an American Airline Emergency Egress Procedures three-day training course located in Dallas, Texas.

C-20D/G Crew Chiefs do not have their own training pipeline. Both C-20D and C-20G Crew Chiefs attend separate GIII and GIV Maintenance initial training. After 12 to 18 months in their respective commands, Crew Chiefs then attend Pilot Refresher Training conducted by FSI.

Pending final approval, maintenance personnel in the C-20G community receive NEC 8314 (formerly utilized by the C-20A Aircraft) after successfully completing required FSI courses. The C-20D community is also being reviewed for an aircraft specific NEC. COMNAVAIRESFOR student quota control numbers for the past two fiscal years indicate the only course (excluding Pilot and Aircrewmen) VR-1 personnel have attended is the C-20D Maintenance Initial course. Due in part to C-20D Aircraft maintenance personnel requiring no NEC, combined with a VR-1 squadron tour of 24 months for enlisted E-4 and below (36 months for E-5 and above), VR-1 organizational level maintenance training depends primarily on On-the-Job Training.

**a. Initial Training.** Due to the damaged C-20G Aircraft assigned to MASD NAF Washington, D.C., being in a non-flying status for the last three years and the aircraft's scheduled transfer to MCAS Kaneohe Bay, Hawaii, in June 2001, C-20G Marine Corps Pilots require training. A total of five Marine Corps Pilots will attend C-20G GIV Initial Pilot Training at FSI, Long Beach. Three Pilots completed training in November 2000, one is scheduled to begin in May 2001, and the last will attend in December 2001. These Marine Corps Pilots will come from different aircraft platforms, but will hold secondary MOS 7553 (C-20 Aircraft).

A total of four Marine Corps Crew Chiefs will attend maintenance initial training at FSI, Savannah, while four Marine Corps Loadmasters will attend initial Fixed Wing Loadmaster Training in Fort Worth, Texas. Two C-20G Crew Chiefs will attend maintenance initial training in March 2001, one in July 2001, and the final Crew Chief will attend training in January 2002. Two C-20G Loadmasters will attend training in February 2001, one in August 2001, and the final Loadmaster will attend training in January 2002.

<b>Title .....</b>	<b>Gulfstream III Pilot Initial Training</b>
<b>Description .....</b>	<p>This course provides training to the first tour C-20D Pilot, including:</p> <ul style="list-style-type: none"> <li>° Flight Training Systems</li> <li>° Avionics and Electrical Systems</li> <li>° Power Plant and Related Systems</li> <li>° Hydraulic and Pneumatic Systems</li> <li>° Communications and Navigation Systems</li> <li>° FMS</li> <li>° TCAS</li> <li>° EGPWS</li> <li>° Egress and Ditching Procedures</li> <li>° Crew Tactics and Safety</li> <li>° Navy Air Training and Operating Procedures Standardization (NATOPS)</li> </ul> <p>Upon completion, the student will be able to perform as a C-20D Pilot in a squadron environment.</p>
<b>Locations .....</b>	<ul style="list-style-type: none"> <li>° FSI, Savannah</li> <li>° FSI, Long Beach</li> </ul>
<b>Length .....</b>	22 days
<b>RFT date .....</b>	Currently available
<b>Skill identifier.....</b>	NOBC 1311 and 1312
<b>TTE/TD .....</b>	Gulfstream III Flight Simulator
<b>Prerequisites .....</b>	<ul style="list-style-type: none"> <li>° E-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>° B-322-0041, Refresher Physiology, Tactical Jet Training</li> <li>° B-9E-1224, Naval Aviation Water Survival Program R-1</li> <li>° Security Clearance - Secret</li> </ul>

<b>Title .....</b>	<b>Gulfstream III Pilot Recurrent Training</b>
<b>Description .....</b>	<p>This course provides training to the recurrent C-20D replacement Pilot and Aircrewmen, including:</p> <ul style="list-style-type: none"> <li>° Aircraft System Normal Operations and Procedures</li> <li>° Emergency and Abnormal Aircraft System Procedures</li> <li>° Weight and Balance</li> <li>° Flight Planning</li> <li>° Egress and Ditching Procedures</li> <li>° Crew Tactics and Safety</li> <li>° NATOPS</li> </ul> <p>Upon completion, the student will be able to perform as a C-20D Pilot in a squadron environment.</p>
<b>Locations .....</b>	<ul style="list-style-type: none"> <li>° FSI, Savannah</li> <li>° FSI, Long Beach</li> </ul>
<b>Length .....</b>	5 days
<b>RFT date .....</b>	Currently available
<b>Skill identifier.....</b>	<ul style="list-style-type: none"> <li>° NOBCs 1311 and 1312</li> <li>° NEC 8245</li> <li>° NEC 8202</li> </ul>
<b>TTE/TD .....</b>	Gulfstream III Flight Simulator
<b>Prerequisites .....</b>	<ul style="list-style-type: none"> <li>° E-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>° B-322-0041, Refresher Physiology, Tactical Jet Training</li> <li>° B-9E-1224, Naval Aviation Water Survival Program R-1</li> <li>° Security Clearance - Secret</li> </ul>

**Note:** C-20D Naval Aircrewman NEC 8245 and 8202 attend Gulfstream III Pilot Recurrent training as refresher training.

<b>Title .....</b>	<b>Gulfstream IV Pilot Initial Training</b>
<b>Description .....</b>	<p>This course provides training to the first tour C-20G Pilot, including:</p> <ul style="list-style-type: none"> <li>° Flight Training Systems</li> <li>° Avionics and Electrical Systems</li> <li>° Power Plant and Related Systems</li> <li>° Hydraulic and Pneumatic Systems</li> <li>° Communications and Navigation Systems</li> <li>° FMS</li> <li>° TCAS</li> <li>° EGPWS</li> <li>° Egress and Ditching Procedures</li> <li>° Crew Tactics and Safety</li> <li>° NATOPS</li> </ul> <p>Upon completion, the student will be able to perform as a C-20G Pilot in a squadron environment.</p>
<b>Locations .....</b>	<ul style="list-style-type: none"> <li>° FSI, Savannah</li> <li>° FSI, Long Beach</li> </ul>
<b>Length .....</b>	21 days
<b>RFT date .....</b>	Currently available
<b>Skill identifier.....</b>	<ul style="list-style-type: none"> <li>° NOBC 1311</li> <li>° MOS 7553 (secondary)</li> </ul>
<b>TTE/TD .....</b>	Gulfstream IV Flight Simulator
<b>Prerequisite.....</b>	<ul style="list-style-type: none"> <li>° E-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>° B-322-0041, Refresher Physiology, Tactical Jet Training</li> <li>° B-9E-1224, Naval Aviation Water Survival Program R-1</li> <li>° Security Clearance - Secret</li> </ul>

<b>Title .....</b>	<b>Gulfstream IV Pilot Recurrent Training</b>
<b>Description .....</b>	<p>This course provides training to the recurrent C-20G Pilot and Aircrewmembers including:</p> <ul style="list-style-type: none"> <li>° Aircraft System Normal Operations and Procedures</li> <li>° Emergency and Abnormal Aircraft System Procedures</li> <li>° Weight and Balance</li> <li>° Flight Planning</li> <li>° Egress and Ditching Procedures</li> <li>° Crew Tactics and Safety</li> <li>° NATOPS</li> </ul> <p>Upon completion, the student will be able to perform as a C-20G Pilot in a squadron environment.</p>
<b>Locations.....</b>	<ul style="list-style-type: none"> <li>° FSI, Savannah</li> <li>° FSI, Long Beach</li> </ul>
<b>Length .....</b>	5 days
<b>RFT date .....</b>	Currently available
<b>Skill identifier.....</b>	<ul style="list-style-type: none"> <li>° NOBC 1311</li> <li>° MOS 7553 (secondary)</li> <li>° NEC 8245</li> </ul>
<b>TTE/TD .....</b>	Gulfstream IV Flight Simulator
<b>Prerequisite.....</b>	<ul style="list-style-type: none"> <li>° E-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>° B-322-0041, Refresher Physiology, Tactical Jet Training</li> <li>° B-9E-1224, Naval Aviation Water Survival Program R-1</li> <li>° Security Clearance - Secret</li> </ul>

**Note:** C-20G Naval Aircrewman NEC 8245 attend Gulfstream IV Pilot Recurrent training as refresher training.

<b>Title .....</b>	<b>C-20D Maintenance Initial Organizational Maintenance</b>
<b>Description .....</b>	<p>This course provides training to the first tour C-20G AD, AM, AME, Parachute Rigger (PR), and enlisted Aircrew personnel including:</p> <ul style="list-style-type: none"> <li>° System Component Operation, Location, and Characteristics</li> <li>° Normal Operation</li> <li>° Routine Servicing Requirements</li> <li>° Maintenance Practices and Troubleshooting</li> <li>° Gulfstream III Manuals</li> <li>° Safety</li> </ul> <p>Upon completion, the student will be able to perform as an entry-level C-20D organizational maintenance technician or Crew Chief in a squadron environment under direct supervision.</p>
<b>Location .....</b>	FSI, Savannah
<b>Length .....</b>	21 days
<b>RFT date .....</b>	Currently available
<b>Skill identifier.....</b>	Any Aviation Rating
<b>TTE/TD.....</b>	GIII Flight Simulator
<b>Prerequisite.....</b>	Applicable Core and Strand “A” schools (See paragraph 4.c. Student Profiles)

**Title .....** **C-20G Maintenance Initial Organizational Maintenance**

**Description .....** This course provides training to the first tour C-20G AD, AM, AME, PR, and enlisted Aircrew personnel including:

- ° System Component Operation, Location, and Characteristics
- ° Normal Operation
- ° Routine Servicing Requirements
- ° Maintenance Practices and Troubleshooting
- ° Gulfstream IV Manuals
- ° Safety

Upon completion, the student will be able to perform as an entry-level C-20G organizational maintenance technician or Crew Chief in a squadron environment under direct supervision.

**Location .....** FSI, Savannah

**Length .....** 26 days

**RFT date .....** Currently available

**Skill identifier.....** Any Aviation Rating

**TTE/TD.....** GIV Flight Simulator

**Prerequisite.....** Applicable Core and Strand “A” schools (See paragraph 4.c. Student Profiles)

**Title .....** **C-20G Advanced Systems Troubleshooting Course**

**Description .....** This course provides advanced training to C-20G Aviation Electronic Technicians (AT) and AE personnel including:

- ° In-depth System Testing and Troubleshooting Utilizing Gulfstream IV Maintenance Manuals and Aircraft Wiring Diagrams
- ° Identifying Symptoms and Malfunctions

Upon completion, the student will be able to perform C-20G advanced system troubleshooting in a squadron environment without supervision.

**Location .....** FSI, Savannah

**Length .....** 5 days

**RFT date .....** Currently available



Skill identifier..... ° AT 8314  
 ° AE 8314

TTE/TD..... NA

Prerequisite..... Two years C-20G experience

**Title ..... C-20D/G Corrosion Control Course**

Description ..... This course provides training to C-20D/G personnel including:

- ° Identify Common Corrosion Forms, Causes, and Preventive Measures
- ° Sealant Types and Classes
- ° Corrosion Hazards and Treatment
- ° Developing a Corrosion Control Program

Upon completion, the student will be able to perform C-20D/G organizational maintenance corrosion control and prevention in a squadron environment under limited supervision.

Location ..... FSI, Savannah

Length ..... 2 days

RFT date ..... Currently available

Skill identifier..... Any Aviation Rating

TTE/TD..... NA

Prerequisite..... Applicable Core and Strand “A” schools (See paragraph 4.c. Student Profiles)

**Title .....** **C-20G Maintenance Manager Course**

**Description .....** This course provides training to the C-20G Maintenance Department Manager or Maintenance Department supervisory personnel including:

- Familiarization with Aircraft Operation, Functions, and Maintenance Practices
- Introduction to Gulfstream IV Maintenance Publications, Computerized Maintenance, Gulfstream Field Support, Aviation Integrated Management Software Program, and Technical Operations Support
- Rolls-Royce Tay Engine Operation
- Support Equipment
- Safety

Upon completion, the student will be able to perform C-20G manage maintenance procedures in a squadron environment without supervision.

**Location .....** FSI, Savannah

**Length .....** 5 days

**RFT date .....** Currently available

**Skill identifier.....** Any Aviation Rating

**TTE/TD.....** GIV Flight Simulator

**Prerequisite.....** Paygrade E-7 through E-9

**Title .....** **American Airlines Emergency Egress Procedures**

**Description .....** This course provides training to the C-20G Loadmaster including:

- General Emergency Procedures
- Weight and Balance Considerations
- Emergency Evacuation Procedures
- Emergency Equipment
- Hazardous Cargo Training

Upon completion, the student will be able to perform as a C-20G Loadmaster in a squadron environment.

**Location .....** American Airline Training Facility, Dallas

**Length .....** 3 days

**RFT date .....** Currently available

Skill identifier..... NEC 8278, MOS XXXX

TTE/TD..... ° C-9 Cabin  
° Water Survival Tank

Prerequisite..... ° E-2D-0032, Survival, Evasion, Resistance, and Escape  
° B-9E-1224, Naval Aviation Water Survival Program R-1  
° Security Clearance - Secret

#### **b. Follow-on Training**

**Title .....** **Fixed Wing Loadmaster**

CIN ..... R-553-3000

Model Manager ... Commander Fleet Support Wing

Description ..... This course provides training to C-20G Loadmaster personnel including:  
° Basic Principles of Weight and Balance  
° Basic Aircraft Configuration  
° Cargo Loading and Unloading Procedures  
° Hazardous Cargo Training  
° Emergency Procedures  
° Crew Tactics and Safety  
Upon completion, the student will be able to perform as a C-20G Loadmaster in a squadron environment.

Location ..... JRB Dallas

Length ..... 12 days

RFT date ..... Currently available

Skill identifier..... NEC 8278

TTE/TD..... EAM-T6A Life Raft

Prerequisite..... ° E-2D-0032, Survival, Evasion, Resistance, and Escape  
° B-9E-1224, Naval Aviation Water Survival Program R-1  
° Security Clearance - Secret

### c. Student Profiles

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
1311	<ul style="list-style-type: none"> <li>° Q-2A-0010, Joint T-34C Intermediate Flight Training</li> <li>° Designated Naval Pilot</li> </ul>
1312	<ul style="list-style-type: none"> <li>° Q-2A-0010, Joint T-34C Intermediate Flight Training</li> <li>° Designated Naval Pilot</li> </ul>
MOS 7553	<ul style="list-style-type: none"> <li>° Q-2A-0010, Joint T-34C Intermediate Flight Training</li> <li>° Designated Naval Pilot</li> </ul>
AD 8245	<ul style="list-style-type: none"> <li>° C-601-2011, Aviation Machinist's Mate Common Core Class A1</li> <li>° C-601-2014, Aviation Machinist's Mate Turbojet Fundamentals Strand Class A1</li> </ul>
AE 8245	<ul style="list-style-type: none"> <li>° C100-2020, Avionics Common Core Class A1</li> <li>° C602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> </ul>
AME 8245	<ul style="list-style-type: none"> <li>° C602-2033, Aviation Structural Mechanic E (Safety Equipment) Common Core Class A1</li> <li>° C602-2034, Aviation Structural Mechanic E (Safety Equipment) Egress Strand Class A1</li> </ul>
AMH 8245	<ul style="list-style-type: none"> <li>° C603-0175, Aviation Structural Mechanic (Structures Hydraulics) Class A1</li> <li>° C603-0176, Aviation Structural Mechanic (Structures Hydraulics) Intermediate Level Strand Class A1</li> </ul>
AMS 8245	<ul style="list-style-type: none"> <li>° C603-0175, Aviation Structural Mechanic (Structures Hydraulics) Class A1</li> <li>° C603-0176, Aviation Structural Mechanic (Structures Hydraulics) Intermediate Level Strand Class A1</li> </ul>
AT 8245	<ul style="list-style-type: none"> <li>° C-100-2020, Avionics Common Core Class A1</li> <li>° C-100-2018, Avionics Technician O Level Class A1</li> </ul>
PR	<ul style="list-style-type: none"> <li>° C-602-2035, Aircrew Survival Equipment Common Core Class A1</li> <li>° C-602-2037, Aircrew Survival Equipment Intermediate Level Strand Class A1</li> </ul>

**d. Training Pipelines.** After COMNAVIAIRESFOR review, some C-20D/G CINs are subject to change, due to compatibility issues with the Catalog of Navy Training Courses and OPNAV Aviation Training Management System. These new CINs will be included in future updates to this C-20D/G Aircraft NTSP.

## C-20D/G PROPOSED PIPELINES AND STAND-ALONE COURSES

CIN	COURSE TITLE
<b>C-20D Pipeline Courses:</b>	
R-102-2017	C-20D Avionics/Electrical Initial Pipeline
R-601-2017	C-20D Powerplants/Airframes Initial Pipeline
<b>C-20D Stand-Alone Courses</b>	
R-102-2011	C-20D Cockpit Fault Analysis
R-102-2012	C-20D Avionics Refresher
R-600-2007	C-20D Maintenance Manager
R-600-2019	C-20D Advanced Troubleshooting
R-600-2015	C-20D Ramp and Transit
R-600-2018	C-20D Powerplants/Airframes
R-600-2011	C-20D/G Corrosion Control
<b>C-20G Pipeline Courses:</b>	
R-102-2015	C-20G Avionics/Electrical Initial Pipeline
R-601-2015	C-20G Powerplants/Airframes Initial Pipeline
<b>C-20G Stand-Alone Courses:</b>	
R-102-2007	C-20G Cockpit Fault Analysis
R-102-2012	C-20G Avionics Refresher
R-600-2004	C-20G Maintenance Manager
R-600-2009	C-20G Advanced Troubleshooting
R-600-2005	C-20G Ramp and Transit
R-600-2006	C-20G Powerplants/Airframes
R-600-2011	C-20D/G Corrosion Control

## I. ONBOARD (IN-SERVICE) TRAINING

### 1. Proficiency or Other Training Organic to the New Development

**a. Maintenance Training Improvement Program.** The Maintenance Training Improvement Program (MTIP) is used to establish an effective and efficient training system responsive to fleet training requirements. MTIP is a training management tool that, through diagnostic testing,

identifies individual training deficiencies at the organizational and intermediate levels of maintenance. MTIP is the comprehensive testing of one's knowledge. It consists of a bank of test questions managed through automated data processing. MTIP will be replaced by the Aviation Maintenance Training Continuum System (AMTCS). Current planning is for AMTCS to begin full implementation for fleet deployment in FY02.

**b. Aviation Maintenance Training Continuum System.** AMTCS will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS is planned to be an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training business process. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided at the right time, thus meeting the CNO's mandated "just-in-time" training approach.

Technology investments enable the development of several state-of-the-art training and administrative tools: Interactive Multimedia Instruction for the technicians in the Fleet in the form of Interactive Courseware with Computer Managed Instruction and Computer Aided Instruction for the schoolhouse.

Included in the AMTCS development effort is the Aviation Maintenance Training Continuum System - Software Module (ASM) which provides testing [Test and Evaluation (TEV)], recording [Electronic Training Jacket (ETJ)], and a Feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List data bank. These tools are procured and fielded with appropriate Commercial Off The Shelf hardware and software, i.e., Fleet Training Devices - Laptops, Personal Computers, Electronic Classrooms, Learning Resource Centers, operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N789H), AMTCS is to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing MTIP and Maintenance Training Management and Evaluation Program (MATMEP) programs.

**2. Personnel Qualification Standards.** Aircrew Personnel Qualification Standards (PQS) are used to ensure C-20D/G Aircraft proficiency. The PQS program for Flight Crew personnel is managed by the PQS Development Group (Code 34) of the Naval Education and Training Professional Development and Technology Center, Pensacola, Florida.

**3. Other Onboard or In-Service Training Packages.** Marine Corps onboard training is based on the current series of Marine Corps Order P4790.12, Individual Training Standards System and Maintenance Training Management and Evaluation Program (MATMEP). This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 series, maintenance training requirements. It is a performance-based, standardized, level-progressive,

documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be enhanced with refresher training. (MATMEP is planned to be replaced by AMTCS.)

## **J. LOGISTICS SUPPORT**

### **1. Manufacturer and Contract Numbers**

<b>CONTRACT NUMBER</b>	<b>MANUFACTURER</b>	<b>ADDRESS</b>
N00019-91-C-0255	Gulfstream Aerospace Corporation	P.O. Box 2206 Savannah, GA 31402-2206
S-F34601-95-C-0538	Sabreliner Corporation	Pierre LaCled Center 7733 Forsythia Blvd Suite 1500 St. Louis, MO 63105-1821
N61339-89-D-004	Flight Safety International	P.O. Box 2307 Savannah, GA 31402

**2. Program Documentation.** The Operational Logistic Support Plan (OLSP), number AC250, was updated in October 1996. The C-20G (only) Integrated Logistics Support Plan (ILSP), number AC-ILSP-336, was updated in December 1993.

**3. Technical Data Plan.** Maintenance manuals used for the C-20D/G Aircraft fleet are commercial specifications. These publications were obtained when the aircraft were purchased and are available at all sites. Manual updates for the C-20D/G Aircraft are purchased as part of the aircraft purchase. All technical drawings on the C-20D/G Aircraft fleet are maintained in a central library at GAC. For an extensive list of GAC commercial technical publications and required government maintenance publications, refer to OLSP AC250.

**4. Test Sets, Tools, and Test Equipment.** GAC is contracted to provide all C-20D/G test sets and test equipment in support of the C-20D/G Aircraft. The COMBS contractor is responsible for establishing a maintenance schedule and performing periodic maintenance and calibration of all C-20D/G Peculiar Support Equipment (PSE).

**5. Repair Parts.** The contractor, GAC, provides supply support for the C-20D/G Aircraft fleet. The contractor is responsible for receiving, acceptance inspection, stocking,

issuing, warranty, repair, and shipment of all parts, components, and PSE in the inventory. Repairs to all components are accomplished at a licensed FAA repair facility.

#### **6. Human Systems Integration. NA**

### **K. SCHEDULES**

**1. Installation and Delivery Schedules.** A total of seven C-20D/G Aircraft were procured. Two C-20D Aircraft are assigned to VR-1. Two C-20G Aircraft are assigned to VR-48 and VR-51. One C-20G Aircraft currently assigned to MASD Washington is scheduled to be transferred to MCAS Kaneohe Bay in June 2001. At this time, there are no plans to purchase additional C-20D/G Aircraft.

**2. Ready For Operational Use Schedule. NA.**

**3. Time Required to Install at Operational Sites. NA**

**4. Foreign Military Sales and Other Source Delivery Schedule. NA**

**5. Training Device and Technical Training Equipment Delivery Schedule.** C-20D/G Training Devices (TD) and Technical Training Equipment (TTE) are owned, maintained, and updated by FSI.

### **L. GOVERNMENT-FURNISHED EQUIPMENT AND CONTRACTOR-FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA**

### **M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS**

<b>DOCUMENT OR NTSP TITLE</b>	<b>DOCUMENT OR NTSP NUMBER</b>	<b>PDA CODE</b>	<b>STATUS</b>
C-20G Logistic Aircraft Navy Training Plan	A-50-9306/A	PMA200	Approved Mar 94
C-20D/G Aircraft Users Logistics Support Summary	C-20D/G ULSS No.1	PMA207	Approved FY96
C-20G -IV Aircraft Integrated Logistic Support Plan	AC-ILSP-336	PMA200	Approved Dec 93
C-20G Integrated Support Plan	N00019-91-C-0255	PMA200	Revision Jun 94



<b>DOCUMENT OR NTSP TITLE</b>	<b>DOCUMENT OR NTSP NUMBER</b>	<b>PDA CODE</b>	<b>STATUS</b>
C-20D/G Operational Logistics Support Plan	AC250	PMA227	Approved Oct 96

## **PART II - BILLET AND PERSONNEL REQUIREMENTS**

The following elements are not affected by the C20D/G Aircraft and, therefore, are not included in Part II of this NTSP:

- II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule
- II.A.2.b. Billets to be Deleted in Operational and Fleet Support Activities
- II.A.2.c. Total Billets to be Deleted in Operational and Fleet Support Activities

## PART II - BILLET AND PERSONNEL REQUIREMENTS

### II.A. BILLET REQUIREMENTS

#### II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

**BILLET SOURCE:** Total Force Manpower Management System

**DATE:** March 2001

ACTIVITY, UIC		PFYs	CFY01	FY02	FY03	FY04	FY05
OPERATIONAL ACTIVITIES - NAVY							
VR-1	42884	1	0	0	0	0	0
VR-48	52893	1	0	0	0	0	0
VR-51	39501	1	0	0	0	0	0
<b>TOTAL:</b>		3	0	0	0	0	0
OPERATIONAL ACTIVITIES - USMC							
MCAS Kaneohe Bay	00318	1	0	0	0	0	0
<b>TOTAL:</b>		1	0	0	0	0	0

## II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
OPERATIONAL ACTIVITIES - NAVY					
VR-1, 42884					
ACDU	3	0	1311		
	1	0	1312		
	1	0	6330		
	0	2	AD1		
	0	1	AD2		
	0	1	AD3		
	0	2	ADAN		
	0	1	AEC		
	0	1	AE1		
	0	2	AE2		
	0	1	AE3		
	0	1	AK1		
	0	1	AK2		
	0	1	AK3		
	0	1	AME2		
	0	1	AME3		
	0	1	AMH2		
	0	1	AMH3		
	0	2	AMS1		
	0	1	AMS2		
	0	2	AMS3		
	0	1	APOCS		
	0	4	APOC		
	0	2	APO1		
	0	5	APO1	8245	
	0	1	APO2		
	0	1	APO2	8245	
	0	2	AT1		
	0	1	AT2		
	0	1	AT3		
	0	1	AZ2		
	0	3	AZ3		
	0	1	MSC	8202	
	0	1	MS1	8202	
	0	4	MS2	8202	
	0	1	PR1		
	0	1	PR3		
	0	1	YN1		9588
	0	1	YN3		
	0	1	YNSN		
TAR	9	0	1311		
	0	1	AZ2		
	0	1	AZ2	6315	

## II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
ACTIVITY TOTAL:	14	58			
VR-48, 52893					
ACDU	0	1	DK2		
TAR	6	0	1311		
	1	0	1520		
	0	2	AD1		
	0	1	AD2		
	0	1	ADAN		
	0	1	AE1		
	0	1	AE2		
	0	1	AEAN		
	0	1	AK1		
	0	1	AK2		
	0	1	AME1		
	0	1	AME3		
	0	1	AMH2		
	0	1	AMHAN		
	0	2	AMS1		
	0	1	AMS2		
	0	1	AMSAN		
	0	1	APOCM	8300	
	0	2	APOCS		
	0	3	APOC		
	0	1	APOC	8278	
	0	3	APO1		
	0	3	APO1	8245	
	0	1	APO1	8278	
	0	2	APO2		
	0	4	APO2	8245	
	0	3	APO2	8278	
	0	1	APO3	8278	
	0	2	AT1		
	0	1	AT2		
	0	1	AT3		
	0	1	ATAN		
	0	1	AZ1		
	0	1	AZ2		
	0	1	AZ2	6315	
	0	1	IT2	2735	
	0	1	PN2		
	0	2	PN3		
	0	1	PR1		
	0	1	PR3		
	0	1	YNC		9588
	0	1	YN3		

## II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
SELRES	18	0	1311		
	2	0	1520		
	1	0	2102		
	0	2	AD3		
	0	1	ADAN		
	0	1	AE1		
	0	1	AE2		
	0	1	AE3		
	0	1	AEAN		
	0	1	AK2		
	0	1	AK3		
	0	1	AKAN		
	0	1	AME2		
	0	1	AMEAN		
	0	1	AMH1		9595
	0	1	AMH3		
	0	1	AMS1		
	0	3	AMS3		
	0	1	AMSAN		
	0	1	APOC		
	0	1	APO1		
	0	1	APO1	8278	
	0	3	APO2		
	0	5	APO2	8245	
	0	1	APO2	8278	
	0	4	APO3	8278	
	0	1	AT3		
	0	1	ATAN		
	0	1	AZ2		
	0	1	AZ3		
	0	1	AZAN		
	0	1	PN1		
	0	1	PN2		
	0	1	PN3		
	0	2	PO2		
	0	1	PRAN		
	0	1	YN2		
	0	1	YNSN		
	0	15	AN		
ACTIVITY TOTAL:	28	121			
VR-51, 39501 ACDU	0	1	AMEC		9595
	0	1	APOC		
	0	2	APO2		
	0	1	DK2		
	0	1	IT2		2780

## II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
ACDU	0	1	IT3	2735	
	0	2	PO2		
TAR	8	0	1311		
	0	1	AK1		
	0	1	APOCS		
	0	1	APOC	8278	
	0	2	APO1		
	0	1	APO1	8278	
	0	2	APO2		
	0	6	APO2	8245	
	0	3	APO2	8278	
	0	1	AZC	6315	
	0	1	PO2		
	0	1	YNC		9588
	0	1	YN2		
SELRES	16	0	1311		
	0	1	ADC		
	0	2	APO1	8245	
	0	1	APO1	8278	
	0	3	APO2	8245	
	0	1	APO2	8278	
	0	5	APO3	8278	
	0	1	ATC		
	0	1	PN1		
	0	1	PN2		
	0	1	YN3		
	0	1	YNSN		
	0	10	AN		
<b>ACTIVITY TOTAL:</b>	24	58			
OPERATIONAL ACTIVITIES - USMC					
<b>MCAS Kaneohe Bay, 00318</b>					
USMC	2	0	CAPT	9969	7553
	1	0	LCOL	9967	7553
	3	0	MAJ	9967	7553
	0	4	SSGT		
<b>ACTIVITY TOTAL:</b>	6	4			

## II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
1311		3		0		0		0		0		0	
1312		1		0		0		0		0		0	
6330		1		0		0		0		0		0	
AD1			2		0		0		0		0		0
AD2			1		0		0		0		0		0
AD3			1		0		0		0		0		0
ADAN			2		0		0		0		0		0
AEC			1		0		0		0		0		0
AE1			1		0		0		0		0		0
AE2			2		0		0		0		0		0
AE3			1		0		0		0		0		0
AK1			1		0		0		0		0		0
AK2			1		0		0		0		0		0
AK3			1		0		0		0		0		0
AMEC	9595		1		0		0		0		0		0
AME2			1		0		0		0		0		0
AME3			1		0		0		0		0		0
AMH2			1		0		0		0		0		0
AMH3			1		0		0		0		0		0
AMS1			2		0		0		0		0		0
AMS2			1		0		0		0		0		0
AMS3			2		0		0		0		0		0
APOCS			1		0		0		0		0		0
APOC		5		0		0		0		0		0	
APO1		2		0		0		0		0		0	
APO1	8245		5		0		0		0		0		0
APO2		3		0		0		0		0		0	
APO2	8245		1		0		0		0		0		0
AT1			2		0		0		0		0		0
AT2			1		0		0		0		0		0
AT3			1		0		0		0		0		0
AZ2			1		0		0		0		0		0
AZ3			3		0		0		0		0		0
DK2			2		0		0		0		0		0
IT2	2780		1		0		0		0		0		0
IT3	2735		1		0		0		0		0		0
MSC	8202		1		0		0		0		0		0
MS1	8202		1		0		0		0		0		0
MS2	8202		4		0		0		0		0		0
PO2			2		0		0		0		0		0
PR1			1		0		0		0		0		0
PR3			1		0		0		0		0		0
YN1	9588		1		0		0		0		0		0
YN3			1		0		0		0		0		0
YNSN			1		0		0		0		0		0



## II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY OPERATIONAL ACTIVITIES - TAR													
1311		23		0		0		0		0		0	
1520		1		0		0		0		0		0	
AD1			2		0		0		0		0		0
AD2			1		0		0		0		0		0
ADAN			1		0		0		0		0		0
AE1			1		0		0		0		0		0
AE2			1		0		0		0		0		0
AEAN			1		0		0		0		0		0
AK1			2		0		0		0		0		0
AK2			1		0		0		0		0		0
AME1			1		0		0		0		0		0
AME3			1		0		0		0		0		0
AMH2			1		0		0		0		0		0
AMHAN			1		0		0		0		0		0
AMS1			2		0		0		0		0		0
AMS2			1		0		0		0		0		0
AMSAN			1		0		0		0		0		0
APOCM	8300		1		0		0		0		0		0
APOCS			3		0		0		0		0		0
APOC			3		0		0		0		0		0
APOC	8278		2		0		0		0		0		0
APO1			5		0		0		0		0		0
APO1	8245		3		0		0		0		0		0
APO1	8278		2		0		0		0		0		0
APO2			4		0		0		0		0		0
APO2	8245		10		0		0		0		0		0
APO2	8278		6		0		0		0		0		0
APO3	8278		1		0		0		0		0		0
AT1			2		0		0		0		0		0
AT2			1		0		0		0		0		0
AT3			1		0		0		0		0		0
ATAN			1		0		0		0		0		0
AZC	6315		1		0		0		0		0		0
AZ1			1		0		0		0		0		0
AZ2			2		0		0		0		0		0
AZ2	6315		2		0		0		0		0		0
IT2	2735		1		0		0		0		0		0
PN2			1		0		0		0		0		0
PN3			2		0		0		0		0		0
PO2			1		0		0		0		0		0
PR1			1		0		0		0		0		0
PR3			1		0		0		0		0		0
YNC	9588		2		0		0		0		0		0
YN2			1		0		0		0		0		0
YN3			1		0		0		0		0		0

## II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY01		FY02		FY03		FY04		FY05	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL		
NAVY OPERATIONAL ACTIVITIES - SELRES														
1311			34		0		0		0		0		0	
1520			2		0		0		0		0		0	
2102			1		0		0		0		0		0	
ADC				1		0		0		0		0		0
AD3				2		0		0		0		0		0
ADAN				1		0		0		0		0		0
AE1				1		0		0		0		0		0
AE2				1		0		0		0		0		0
AE3				1		0		0		0		0		0
AEAN				1		0		0		0		0		0
AK2				1		0		0		0		0		0
AK3				1		0		0		0		0		0
AKAN				1		0		0		0		0		0
AME2				1		0		0		0		0		0
AMEAN				1		0		0		0		0		0
AMH1		9595		1		0		0		0		0		0
AMH3				1		0		0		0		0		0
AMS1				1		0		0		0		0		0
AMS3				3		0		0		0		0		0
AMSAN				1		0		0		0		0		0
APOC				1		0		0		0		0		0
APO1				1		0		0		0		0		0
APO1	8245			2		0		0		0		0		0
APO1	8278			2		0		0		0		0		0
APO2				3		0		0		0		0		0
APO2	8245			8		0		0		0		0		0
APO2	8278			2		0		0		0		0		0
APO3	8278			9		0		0		0		0		0
ATC				1		0		0		0		0		0
AT3				1		0		0		0		0		0
ATAN				1		0		0		0		0		0
AZ2				1		0		0		0		0		0
AZ3				1		0		0		0		0		0
AZAN				1		0		0		0		0		0
PN1				2		0		0		0		0		0
PN2				2		0		0		0		0		0
PN3				1		0		0		0		0		0
PO2				2		0		0		0		0		0
PRAN				1		0		0		0		0		0
YN2				1		0		0		0		0		0
YN3				1		0		0		0		0		0
YNSN				2		0		0		0		0		0
AN				25		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - USMC														
CAPT	9969	7553		2		0		0		0		0		0
LCOL	9967	7553		1		0		0		0		0		0

## II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY01		FY02		FY03		FY04		FY05	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MAJ	9967	7553	3		0		0		0		0		0	
SSGT				4		0		0		0		0		0

### SUMMARY TOTALS:

NAVY OPERATIONAL ACTIVITIES - ACDU														
			5	66	0	0	0	0	0	0	0	0	0	0
NAVY OPERATIONAL ACTIVITIES - TAR														
			24	80	0	0	0	0	0	0	0	0	0	0
NAVY OPERATIONAL ACTIVITIES - SELRES														
			37	91	0	0	0	0	0	0	0	0	0	0
USMC OPERATIONAL ACTIVITIES - USMC														
			6	4	0	0	0	0	0	0	0	0	0	0

### GRAND TOTALS:

NAVY - ACDU														
			5	66	0	0	0	0	0	0	0	0	0	0
NAVY - TAR														
			24	80	0	0	0	0	0	0	0	0	0	0
NAVY - SELRES														
			37	91	0	0	0	0	0	0	0	0	0	0
USMC - USMC														
			6	4	0	0	0	0	0	0	0	0	0	0

## II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: Commander Fleet Logistics Support Wing, JRB Fort Worth, Texas, 53831

### INSTRUCTOR BILLETS

TAR													
APO1	8278	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:		0	2	0	2	0	2	0	2	0	2	0	2

#### II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF ENL	CFY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL	FY04 OFF ENL	FY05 OFF ENL
Commander Fleet Logistics Support Wing, JRB Fort Worth, Texas, 53831							
	NAVY	0.1	0.1	0.1	0.1	0.1	0.1
	USMC	0.0	0.0	0.0	0.0	0.0	0.0

#### SUMMARY TOTALS:

NAVY	0.1	0.1	0.1	0.1	0.1	0.1
USMC	0.0	0.0	0.0	0.0	0.0	0.0

#### GRAND TOTALS:

0.1	0.1	0.1	0.1	0.1	0.1
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## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/- CUM	FY02 +/- CUM	FY03 +/- CUM	FY04 +/- CUM	FY05 +/- CUM
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### a. OFFICER - USN

Operational Billets ACDU and TAR

1311			26	0	26	0	26	0	26	0	26
1312			1	0	1	0	1	0	1	0	1
1520			1	0	1	0	1	0	1	0	1
6330			1	0	1	0	1	0	1	0	1

SELRES Billets

1311			34	0	34	0	34	0	34	0	34
1520			2	0	2	0	2	0	2	0	2
2102			1	0	1	0	1	0	1	0	1

### TOTAL USN OFFICER BILLETS:

Operational			29	0	29	0	29	0	29	0	29
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SELRES			37	0	37	0	37	0	37	0	37
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### b. ENLISTED - USN

Operational Billets ACDU and TAR

AD1			4	0	4	0	4	0	4	0	4
AD2			2	0	2	0	2	0	2	0	2
AD3			1	0	1	0	1	0	1	0	1
ADAN			3	0	3	0	3	0	3	0	3
AEC			1	0	1	0	1	0	1	0	1
AE1			2	0	2	0	2	0	2	0	2
AE2			3	0	3	0	3	0	3	0	3
AE3			1	0	1	0	1	0	1	0	1
AEAN			1	0	1	0	1	0	1	0	1
AK1			3	0	3	0	3	0	3	0	3
AK2			2	0	2	0	2	0	2	0	2
AK3			1	0	1	0	1	0	1	0	1
AMEC		9595	1	0	1	0	1	0	1	0	1
AME1			1	0	1	0	1	0	1	0	1
AME2			1	0	1	0	1	0	1	0	1
AME3			2	0	2	0	2	0	2	0	2
AMH2			2	0	2	0	2	0	2	0	2
AMH3			1	0	1	0	1	0	1	0	1
AMHAN			1	0	1	0	1	0	1	0	1
AMS1			4	0	4	0	4	0	4	0	4
AMS2			2	0	2	0	2	0	2	0	2
AMS3			2	0	2	0	2	0	2	0	2
AMSAN			1	0	1	0	1	0	1	0	1
APOCM	8300		1	0	1	0	1	0	1	0	1

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM	FY04 +/-	CUM	FY05 +/-	CUM
APOCS			4	0	4	0	4	0	4	0	4	0	4
APOC			8	0	8	0	8	0	8	0	8	0	8
APOC	8278		2	0	2	0	2	0	2	0	2	0	2
APO1			7	0	7	0	7	0	7	0	7	0	7
APO1	8245		8	0	8	0	8	0	8	0	8	0	8
APO1	8278		2	0	2	0	2	0	2	0	2	0	2
APO2			7	0	7	0	7	0	7	0	7	0	7
APO2	8245		11	0	11	0	11	0	11	0	11	0	11
APO2	8278		6	0	6	0	6	0	6	0	6	0	6
APO3	8278		1	0	1	0	1	0	1	0	1	0	1
AT1			4	0	4	0	4	0	4	0	4	0	4
AT2			2	0	2	0	2	0	2	0	2	0	2
AT3			2	0	2	0	2	0	2	0	2	0	2
ATAN			1	0	1	0	1	0	1	0	1	0	1
AZC	6315		1	0	1	0	1	0	1	0	1	0	1
AZ1			1	0	1	0	1	0	1	0	1	0	1
AZ2			3	0	3	0	3	0	3	0	3	0	3
AZ2	6315		2	0	2	0	2	0	2	0	2	0	2
AZ3			3	0	3	0	3	0	3	0	3	0	3
DK2			2	0	2	0	2	0	2	0	2	0	2
IT2		2780	1	0	1	0	1	0	1	0	1	0	1
IT2	2735		1	0	1	0	1	0	1	0	1	0	1
IT3	2735		1	0	1	0	1	0	1	0	1	0	1
MSC	8202		1	0	1	0	1	0	1	0	1	0	1
MS1	8202		1	0	1	0	1	0	1	0	1	0	1
MS2	8202		4	0	4	0	4	0	4	0	4	0	4
PN2			1	0	1	0	1	0	1	0	1	0	1
PN3			2	0	2	0	2	0	2	0	2	0	2
PO2			3	0	3	0	3	0	3	0	3	0	3
PR1			2	0	2	0	2	0	2	0	2	0	2
PR3			2	0	2	0	2	0	2	0	2	0	2
YNC		9588	2	0	2	0	2	0	2	0	2	0	2
YN1		9588	1	0	1	0	1	0	1	0	1	0	1
YN2			1	0	1	0	1	0	1	0	1	0	1
YN3			2	0	2	0	2	0	2	0	2	0	2
YNSN			1	0	1	0	1	0	1	0	1	0	1
Staff Billets ACDU and TAR													
APO1	8278		2	0	2	0	2	0	2	0	2	0	2
Chargeable Student Billets ACDU and TAR													
			0	0	0	0	0	0	0	0	0	0	0
SELRES Billets													
ADC			1	0	1	0	1	0	1	0	1	0	1
AD3			2	0	2	0	2	0	2	0	2	0	2
ADAN			1	0	1	0	1	0	1	0	1	0	1
AE1			1	0	1	0	1	0	1	0	1	0	1

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM	FY04 +/-	CUM	FY05 +/-	CUM
AE2			1	0	1	0	1	0	1	0	1	0	1
AE3			1	0	1	0	1	0	1	0	1	0	1
AEAN			1	0	1	0	1	0	1	0	1	0	1
AK2			1	0	1	0	1	0	1	0	1	0	1
AK3			1	0	1	0	1	0	1	0	1	0	1
AKAN			1	0	1	0	1	0	1	0	1	0	1
AME2			1	0	1	0	1	0	1	0	1	0	1
AMEAN			1	0	1	0	1	0	1	0	1	0	1
AMH1		9595	1	0	1	0	1	0	1	0	1	0	1
AMH3			1	0	1	0	1	0	1	0	1	0	1
AMS1			1	0	1	0	1	0	1	0	1	0	1
AMS3			3	0	3	0	3	0	3	0	3	0	3
AMSAN			1	0	1	0	1	0	1	0	1	0	1
APOC			1	0	1	0	1	0	1	0	1	0	1
APO1			1	0	1	0	1	0	1	0	1	0	1
APO1	8245		2	0	2	0	2	0	2	0	2	0	2
APO1	8278		2	0	2	0	2	0	2	0	2	0	2
APO2			3	0	3	0	3	0	3	0	3	0	3
APO2	8245		8	0	8	0	8	0	8	0	8	0	8
APO2	8278		2	0	2	0	2	0	2	0	2	0	2
APO3	8278		9	0	9	0	9	0	9	0	9	0	9
ATC			1	0	1	0	1	0	1	0	1	0	1
AT3			1	0	1	0	1	0	1	0	1	0	1
ATAN			1	0	1	0	1	0	1	0	1	0	1
AZ2			1	0	1	0	1	0	1	0	1	0	1
AZ3			1	0	1	0	1	0	1	0	1	0	1
AZAN			1	0	1	0	1	0	1	0	1	0	1
PN1			2	0	2	0	2	0	2	0	2	0	2
PN2			2	0	2	0	2	0	2	0	2	0	2
PN3			1	0	1	0	1	0	1	0	1	0	1
PO2			2	0	2	0	2	0	2	0	2	0	2
PRAN			1	0	1	0	1	0	1	0	1	0	1
YN2			1	0	1	0	1	0	1	0	1	0	1
YN3			1	0	1	0	1	0	1	0	1	0	1
YNSN			2	0	2	0	2	0	2	0	2	0	2
AN			25	0	25	0	25	0	25	0	25	0	25

### TOTAL USN ENLISTED BILLETS:

Operational	146	0	146	0	146	0	146	0	146	0	146	0	146
Staff	2	0	2	0	2	0	2	0	2	0	2	0	2
Chargeable Student	0	0	0	0	0	0	0	0	0	0	0	0	0



## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/- CUM	FY02 +/- CUM	FY03 +/- CUM	FY04 +/- CUM	FY05 +/- CUM
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SELRES			91	0 91	0 91	0 91	0 91	0 91
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### c. OFFICER - USMC

Operational Billets USMC and AR

CAPT	9969	7553	2	0 2	0 2	0 2	0 2	0 2
LCOL	9967	7553	1	0 1	0 1	0 1	0 1	0 1
MAJ	9967	7553	3	0 3	0 3	0 3	0 3	0 3

### TOTAL USMC OFFICER BILLETS:

Operational			6	0 6	0 6	0 6	0 6	0 6
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### d. ENLISTED - USMC

Operational Billets USMC and AR

SSGT			4	0 4	0 4	0 4	0 4	0 4
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### TOTAL USMC ENLISTED BILLETS:

Operational			4	0 4	0 4	0 4	0 4	0 4
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## II.B. PERSONNEL REQUIREMENTS

### II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

**CIN, COURSE TITLE:** R-553-3000, Fixed Wing Loadmaster Course

**COURSE LENGTH:** 2.0 Weeks

**NAVY TOUR LENGTH:** 36 Months

**ATTRITION FACTOR:** Navy: 10% USMC: 0%

**BACKOUT FACTOR:** 0.00

TRAINING		ACDU/TAR	CFY01	FY02	FY03	FY04	FY05
ACTIVITY	SOURCE	SELRES	OFF ENL	OFF ENL	OFF ENL	OFF ENL	OFF ENL
Commander Fleet Logistics Support Wing, JRB Fort Worth, Texas							
	NAVY	TAR	3	3	3	3	3
		SELRES	1	1	1	1	1
	USMC	USMC	1	1	1	1	1
		TOTAL:	5	5	5	5	5

### **PART III - TRAINING REQUIREMENTS**

The following elements are not affected by the C20D/G Aircraft and, therefore, are not included in Part III of this NTSP:

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

## PART III - TRAINING REQUIREMENTS

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** Gulfstream III Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 22 Days  
**ACTIVITY DESTINATIONS:** VR-1 (4)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 00	4	0	0	Input
		0.2	0		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream III Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-1 (12)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 00	8	4	0	Input
		0.1	0.1		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream IV Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
 VR-51 (12)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Long Beach, California	Oct 00	16	0	0	Input
		0.9	0		AOB
		0	0		Chargeable

**ACTIVITY DESTINATIONS:** VR-48 (10)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 00	10	0	0	Input
		0.6	0		AOB
		0	0		Chargeable

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** Gulfstream IV Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (9)  
 VR-51 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Long Beach, California	Oct 00	29	16	0	Input	
		0.4	0.2		AOB	
		0	0		Chargeable	

**ACTIVITY DESTINATIONS:** VR-48 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 00	24	12	0	Input	
		0.3	0.2		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20D Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** VR-1 (14)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 00	0	14	0	Input	
		0	0.8		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20G Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 26 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (2)  
 VR-48 (11)  
 VR-51 (2)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 00	0	15	0	Input	
		0	1.1		AOB	
		0	0		Chargeable	

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** C-20G Advanced Systems Troubleshooting Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (7)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 00	0	7		0	Input
		0	0.1			AOB
		0	0			Chargeable

**COURSE TITLE:** C-20D/G Corrosion Control Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 2 Days

**ACTIVITY DESTINATIONS:** VR-48 (6)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 00	0	6		0	Input
		0	0			AOB
		0	0			Chargeable

**COURSE TITLE:** C-20G Maintenance Manager Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (6)  
VR-51 (1)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 00	0	7			Input
		0	0.1			AOB
		0	0			Chargeable

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** American Airlines Emergency Egress  
**COURSE DEVELOPER:** American Airlines  
**COURSE INSTRUCTOR:** American Airlines  
**COURSE LENGTH:** 3 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
 VR-48 (4)  
 VR-51 (4)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
Dallas, Texas	Oct 00	0	12	0	Input
		0	0.1		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream III Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 22 Days  
**ACTIVITY DESTINATIONS:** VR-1 (4)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 01	4	0	0	Input
		0.2	0		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream III Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-1 (12)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 01	8	4	0	Input
		0.1	0.1		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream IV Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
 VR-51 (12)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Long Beach, California	Oct 01	16	0	0	Input
		0.9	0		AOB
		0	0		Chargeable

### III.A.1. INITIAL TRAINING REQUIREMENTS

**ACTIVITY DESTINATIONS:** VR-48 (10)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 01	10	0	0	Input	
		0.6	0		AOB	
		0	0		Chargeable	

**COURSE TITLE:** Gulfstream IV Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (9)  
 VR-51 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Long Beach, California	Oct 01	29	16	0	Input	
		0.4	0.2		AOB	
		0	0		Chargeable	

**ACTIVITY DESTINATIONS:** VR-48 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 01	24	12	0	Input	
		0.3	0.2		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20D Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** VR-1 (14)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 01	0	14	0	Input	
		0	0.8		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20G Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 26 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (2)  
 VR-48 (11)  
 VR-51 (2)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 01	0	15	0	Input	
		0	1.1		AOB	
		0	0		Chargeable	



### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** C-20G Advanced Systems Troubleshooting Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (7)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 01	0	7	0	Input
		0	0.1		AOB
		0	0		Chargeable

**COURSE TITLE:** C-20D/G Corrosion Control Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 2 Days

**ACTIVITY DESTINATIONS:** VR-48 (6)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 01	0	6	0	Input
		0	0		AOB
		0	0		Chargeable

**COURSE TITLE:** C-20G Maintenance Manager Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (6)  
VR-51 (1)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 01	0	7		Input
		0	0.1		AOB
		0	0		Chargeable

**COURSE TITLE:** American Airlines Emergency Egress  
**COURSE DEVELOPER:** American Airlines  
**COURSE INSTRUCTOR:** American Airlines  
**COURSE LENGTH:** 3 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
VR-48 (4)  
VR-51 (4)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
Dallas, Texas	Oct 01	0	12	0	Input
		0	0.1		AOB
		0	0		Chargeable

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** Gulfstream III Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 22 Days  
**ACTIVITY DESTINATIONS:** VR-1 (4)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 02	4	0	0	Input
		0.2	0		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream III Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-1 (12)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 02	8	4	0	Input
		0.1	0.1		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream IV Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
 VR-51 (12)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Long Beach, California	Oct 02	16	0	0	Input
		0.9	0		AOB
		0	0		Chargeable

**ACTIVITY DESTINATIONS:** VR-48 (10)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 02	10	0	0	Input
		0.6	0		AOB
		0	0		Chargeable

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** Gulfstream IV Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (9)  
VR-51 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Long Beach, California	Oct 02	29	16		0	Input
		0.4	0.2			AOB
		0	0			Chargeable

**ACTIVITY DESTINATIONS:** VR-48 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 02	24	12		0	Input
		0.3	0.2			AOB
		0	0			Chargeable

**COURSE TITLE:** C-20D Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** VR-1 (14)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 02	0	14		0	Input
		0	0.8			AOB
		0	0			Chargeable

**COURSE TITLE:** C-20G Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 26 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (2)  
VR-48 (11)  
VR-51 (2)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 02	0	15		0	Input
		0	1.1			AOB
		0	0			Chargeable

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** C-20G Advanced Systems Troubleshooting Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (7)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 02	0	7	0	Input	
		0	0.1		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20D/G Corrosion Control Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 2 Days

**ACTIVITY DESTINATIONS:** VR-48 (6)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 02	0	6	0	Input	
		0	0		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20G Maintenance Manager Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (6)  
 VR-51 (1)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 02	0	7		Input	
		0	0.1		AOB	
		0	0		Chargeable	

**COURSE TITLE:** American Airlines Emergency Egress  
**COURSE DEVELOPER:** American Airlines  
**COURSE INSTRUCTOR:** American Airlines  
**COURSE LENGTH:** 3 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
 VR-48 (4)  
 VR-51 (4)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
Dallas, Texas	Oct 02	0	12	0	Input	
		0	0.1		AOB	
		0	0		Chargeable	

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** Gulfstream III Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 22 Days  
**ACTIVITY DESTINATIONS:** VR-1 (4)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 03	4	0	0	Input
		0.2	0		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream III Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-1 (12)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 03	8	4	0	Input
		0.1	0.1		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream IV Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
 VR-51 (12)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Long Beach, California	Oct 03	16	0	0	Input
		0.9	0		AOB
		0	0		Chargeable

**ACTIVITY DESTINATIONS:** VR-48 (10)

LOCATION	BEGIN DATE	STUDENTS			
		OFF	ENL	CIV	
FSI Savannah, Georgia	Oct 03	10	0	0	Input
		0.6	0		AOB
		0	0		Chargeable

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** Gulfstream IV Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (9)  
 VR-51 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Long Beach, California	Oct 03	29	16		0	Input
		0.4	0.2			AOB
		0	0			Chargeable

**ACTIVITY DESTINATIONS:** VR-48 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 03	24	12		0	Input
		0.3	0.2			AOB
		0	0			Chargeable

**COURSE TITLE:** C-20D Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** VR-1 (14)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 03	0	14		0	Input
		0	0.8			AOB
		0	0			Chargeable

**COURSE TITLE:** C-20G Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 26 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (2)  
 VR-48 (11)  
 VR-51 (2)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 03	0	15		0	Input
		0	1.1			AOB
		0	0			Chargeable

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** C-20G Advanced Systems Troubleshooting Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (7)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 03	0	7	0	Input	
		0	0.1		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20D/G Corrosion Control Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 2 Days

**ACTIVITY DESTINATIONS:** VR-48 (6)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 03	0	6	0	Input	
		0	0		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20G Maintenance Manager Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (6)  
 VR-51 (1)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 03	0	7		Input	
		0	0.1		AOB	
		0	0		Chargeable	

**COURSE TITLE:** American Airlines Emergency Egress  
**COURSE DEVELOPER:** American Airlines  
**COURSE INSTRUCTOR:** American Airlines  
**COURSE LENGTH:** 3 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
 VR-48 (4)  
 VR-51 (4)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
Dallas, Texas	Oct 03	0	12	0	Input	
		0	0.1		AOB	
		0	0		Chargeable	

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** Gulfstream III Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 22 Days  
**ACTIVITY DESTINATIONS:** VR-1 (4)

LOCATION	BEGIN DATE	STUDENTS OFF	STUDENTS ENL	CIV	
FSI Savannah, Georgia	Oct 04	4	0	0	Input
		0.2	0		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream III Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-1 (12)

LOCATION	BEGIN DATE	STUDENTS OFF	STUDENTS ENL	CIV	
FSI Savannah, Georgia	Oct 04	8	4	0	Input
		0.1	0.1		AOB
		0	0		Chargeable

**COURSE TITLE:** Gulfstream IV Pilot Initial Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
 VR-51 (12)

LOCATION	BEGIN DATE	STUDENTS OFF	STUDENTS ENL	CIV	
FSI Long Beach, California	Oct 04	16	0	0	Input
		0.9	0		AOB
		0	0		Chargeable

**ACTIVITY DESTINATIONS:** VR-48 (10)

LOCATION	BEGIN DATE	STUDENTS OFF	STUDENTS ENL	CIV	
FSI Savannah, Georgia	Oct 04	10	0	0	Input
		0.6	0		AOB
		0	0		Chargeable



### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** Gulfstream IV Pilot Recurrent Training  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (9)  
VR-51 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Long Beach, California	Oct 04	29	16		0	Input
		0.4	0.2			AOB
		0	0			Chargeable

**ACTIVITY DESTINATIONS:** VR-48 (36)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 04	24	12		0	Input
		0.3	0.2			AOB
		0	0			Chargeable

**COURSE TITLE:** C-20D Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 21 Days  
**ACTIVITY DESTINATIONS:** VR-1 (14)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 04	0	14		0	Input
		0	0.8			AOB
		0	0			Chargeable

**COURSE TITLE:** C-20G Maintenance Initial Organizational Maintenance  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 26 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (2)  
VR-48 (11)  
VR-51 (2)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 04	0	15		0	Input
		0	1.1			AOB
		0	0			Chargeable

### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** C-20G Advanced Systems Troubleshooting Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (7)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 04	0	7	0	Input	
		0	0.1		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20D/G Corrosion Control Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 2 Days

**ACTIVITY DESTINATIONS:** VR-48 (6)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 04	0	6	0	Input	
		0	0		AOB	
		0	0		Chargeable	

**COURSE TITLE:** C-20G Maintenance Manager Course  
**COURSE DEVELOPER:** Flight Safety International  
**COURSE INSTRUCTOR:** Flight Safety International  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** VR-48 (6)  
 VR-51 (1)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
FSI Savannah, Georgia	Oct 04	0	7		Input	
		0	0.1		AOB	
		0	0		Chargeable	

**COURSE TITLE:** American Airlines Emergency Egress  
**COURSE DEVELOPER:** American Airlines  
**COURSE INSTRUCTOR:** American Airlines  
**COURSE LENGTH:** 3 Days  
**ACTIVITY DESTINATIONS:** MCAS Kaneohe Bay (4)  
 VR-48 (4)  
 VR-51 (4)

LOCATION	BEGIN DATE	STUDENTS			CIV	
		OFF	ENL			
Dallas, Texas	Oct 04	0	12	0	Input	
		0	0.1		AOB	
		0	0		Chargeable	

### III.A.2. FOLLOW-ON TRAINING

#### III.A.2.a. EXISTING COURSES

**CIN, COURSE TITLE:** R-553-3000, Fixed Wing Loadmaster Course

**TRAINING ACTIVITY:** Commander Fleet Logistics Support Wing

**LOCATION, UIC:** JRB Fort Worth, Texas, 53831

**SOURCE:** NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	3		3		3		3		3	ATIR
	3		3		3		3		3	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.1		0.1		0.1		0.1		0.1	Chargeable

**SOURCE:** NAVY **STUDENT CATEGORY:** SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.0		0.0		0.0		0.0		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

**SOURCE:** USMC **STUDENT CATEGORY:** USMC - AR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.0		0.0		0.0		0.0		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

## PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the C20D/G Aircraft and, therefore, are not included in Part IV of this NTSP:

### IV.A. Training Hardware

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

IV.A.2. Training Devices

### IV.C. Facility Requirements

IV.C.1. Facility Requirements Summary (Space/Support) by Activity

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

**Note 1:** Training hardware and courseware materials are provided by Flight Safety International. The contractor is responsible for each course, and all training is accomplished at the contractor's facility. For information regarding Training Devices, contact Flight Safety International Learning Center located in Savannah, Georgia.

**Note 2:** Flight simulators are certified annually by the Flight Standards District Office. This certification is done with the criteria set forth in Advisory Circular (AC) 120-45A, Airplane Flight Training Device Qualification.

## PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

### IV.B.1. TRAINING SERVICES

COURSE / TYPE OF TRAINING	SCHOOL LOCATION	NO. OF PERSONNEL	MAN-WEEKS REQUIRED	DATE BEGIN
Gulfstream III Pilot Initial Training	FSI Savannah, Georgia	2	6.4	Oct 01
Gulfstream III Pilot Initial Training	FSI Savannah, Georgia	2	6.4	Oct 02
Gulfstream III Pilot Initial Training	FSI Savannah, Georgia	2	6.4	Oct 03
Gulfstream III Pilot Initial Training	FSI Savannah, Georgia	2	6.4	Oct 04
Gulfstream III Pilot Initial Training	FSI Savannah, Georgia	2	6.4	Oct 05
Gulfstream III Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 01
Gulfstream III Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 02
Gulfstream III Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 03
Gulfstream III Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 04
Gulfstream III Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 05
Gulfstream IV Pilot Initial Training	FSI Long Beach, California	2	6	Oct 01
Gulfstream IV Pilot Initial Training	FSI Savannah, Georgia	2	6	Oct 01
Gulfstream IV Pilot Initial Training	FSI Long Beach, California	2	6	Oct 02
Gulfstream IV Pilot Initial Training	FSI Savannah, Georgia	2	6	Oct 02
Gulfstream IV Pilot Initial Training	FSI Long Beach, California	2	6	Oct 03
Gulfstream IV Pilot Initial Training	FSI Savannah, Georgia	2	6	Oct 03
Gulfstream IV Pilot Initial Training	FSI Long Beach, California	2	6	Oct 04
Gulfstream IV Pilot Initial Training	FSI Savannah, Georgia	2	6	Oct 04
Gulfstream IV Pilot Initial Training	FSI Long Beach, California	2	6	Oct 05
Gulfstream IV Pilot Initial Training	FSI Savannah, Georgia	2	6	Oct 05

#### IV.B.1. TRAINING SERVICES

COURSE / TYPE OF TRAINING	SCHOOL LOCATION	NO. OF PERSONNEL	MAN-WEEKS REQUIRED	DATE BEGIN
Gulfstream IV Pilot Recurrent Training	FSI Long Beach, California	2	2	Oct 01
Gulfstream IV Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 01
Gulfstream IV Pilot Recurrent Training	FSI Long Beach, California	2	2	Oct 02
Gulfstream IV Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 02
Gulfstream IV Pilot Recurrent Training	FSI Long Beach, California	2	2	Oct 03
Gulfstream IV Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 03
Gulfstream IV Pilot Recurrent Training	FSI Long Beach, California	2	2	Oct 04
Gulfstream IV Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 04
Gulfstream IV Pilot Recurrent Training	FSI Long Beach, California	2	2	Oct 05
Gulfstream IV Pilot Recurrent Training	FSI Savannah, Georgia	2	2	Oct 05
C-20D Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	6	Oct 01
C-20D Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	6	Oct 02
C-20D Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	6	Oct 03
C-20D Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	6	Oct 04
C-20D Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	6	Oct 05
C-20G Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	8	Oct 01
C-20G Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	8	Oct 02
C-20G Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	8	Oct 03
C-20G Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	8	Oct 04

#### IV.B.1. TRAINING SERVICES

COURSE / TYPE OF TRAINING	SCHOOL LOCATION, UIC	NO. OF PERSONNEL	MAN-WEEKS REQUIRED	DATE BEGIN
C-20G Maintenance Initial Organizational Maintenance	FSI Savannah, Georgia	2	8	Oct 05
C-20G Advanced Systems Troubleshooting Course	FSI Savannah, Georgia	2	2	Oct 01
C-20G Advanced Systems Troubleshooting Course	FSI Savannah, Georgia	2	2	Oct 02
C-20G Advanced Systems Troubleshooting Course	FSI Savannah, Georgia	2	2	Oct 03
C-20G Advanced Systems Troubleshooting Course	FSI Savannah, Georgia	2	2	Oct 04
C-20G Advanced Systems Troubleshooting Course	FSI Savannah, Georgia	2	2	Oct 05
C-20D/G Corrosion Control Course	FSI Savannah, Georgia	2	0.8	Oct 01
C-20D/G Corrosion Control Course	FSI Savannah, Georgia	2	0.8	Oct 02
C-20D/G Corrosion Control Course	FSI Savannah, Georgia	2	0.8	Oct 03
C-20D/G Corrosion Control Course	FSI Savannah, Georgia	2	0.8	Oct 04
C-20D/G Corrosion Control Course	FSI Savannah, Georgia	2	0.8	Oct 05
C-20G Maintenance Manager Course	FSI Savannah, Georgia	2	2	Oct 01
C-20G Maintenance Manager Course	FSI Savannah, Georgia	2	2	Oct 02
C-20G Maintenance Manager Course	FSI Savannah, Georgia	2	2	Oct 03
C-20G Maintenance Manager Course	FSI Savannah, Georgia	2	2	Oct 04
C-20G Maintenance Manager Course	FSI Savannah, Georgia	2	2	Oct 05
American Airlines Emergency Egress	Dallas, Texas	2	1.2	Oct 01
American Airlines Emergency Egress	Dallas, Texas	2	1.2	Oct 02
American Airlines Emergency Egress	Dallas, Texas	2	1.2	Oct 03

#### IV.B.1. TRAINING SERVICES

COURSE / TYPE OF TRAINING	SCHOOL LOCATION, UIC	NO. OF PERSONNEL	MAN-WEEKS REQUIRED	DATE BEGIN
American Airlines Emergency Egress	Dallas, Texas	2	1.2	Oct 04
American Airlines Emergency Egress	Dallas, Texas	2	1.2	Oct 05



#### IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

**CIN, COURSE TITLE:** R-553-3000, Fixed Wing Loadmaster Course

**TRAINING ACTIVITY:** Commander Fleet Logistics Support Wing

**LOCATION, UIC:** JRB Fort Worth, Texas, 53831

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Fixed Wing Loadmaster Instructor Guide	15	Jan 97	Onboard
Fixed Wing Loadmaster Student Guides	15	Jan 97	Onboard
Overhead Projector	1	Jan 97	Onboard
Projection Screen	1	Jan 97	Onboard
Projector Slides 35mm	1 Set	Jan 97	Onboard
Transparencies	1 Set	Jan 97	Onboard
Wall Charts	1 Set	Jan 97	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** R-553-3000, Fixed Wing Loadmaster Course

**TRAINING ACTIVITY:** Commander Fleet Logistics Support Wing

**LOCATION, UIC:** JRB Fort Worth, Texas, 53831

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NA 01-1B-40 Weight and Balance Data Handbook	Hard copy	15	Jun 94	Onboard
NA 01-1B-50 U.S. Navy Weight and Balance Control	Hard copy	15	Jun 94	Onboard
NA 01-C9BAA-9 Cargo Loading Technical Manual	Hard copy	15	Jun 94	Onboard
NAVSUP 505 Aircraft Hazardous Material Shipping and Transporting	Hard copy	15	Jun 94	Onboard
OPNAVINST 3750.6 Naval Aviation Safety Program	Hard copy	15	Jun 94	Onboard
OPNAVINST 4790.2 Series Naval Aviation Maintenance Program (NAMP)	Hard copy	8	Jun 94	Onboard

## PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	Awarded GAC contract to lease, with an option to buy C-20 Gulfstream Aircraft	FY84	Completed
PDA	Awarded contract to procure two C-20D Aircraft to replace TA-3B Aircraft	FY86	Completed
TSA	Began C-20D Initial Training	FY86	Completed
PDA	Delivered C-20D Aircraft to VR-1	May 87	Completed
PDA	Delivered C-20D Aircraft to VR-1	Jul 87	Completed
PDA	Began Incorporation of EFIS-10 into C-20D Aircraft	FY88	Completed
PDA	Initiated C-20G Aircraft Procurement Request	May 91	Completed
PDA	Awarded GAC C-20G Aircraft Production Contract	May 92	Completed
PDA	Promulgated Draft NTP	Apr 93	Completed
PDA	Promulgated ILSP	Dec 93	Completed
PDA	Promulgated Proposed NTP	Jan 94	Completed
PDA	Delivered Two C-20G Aircraft to VR-48	Feb 94	Completed
PDA	Promulgated OLSP Availability	Mar 94	Completed
PDA	Promulgated ILSP Update	Jun 94	Completed
PDA	Completed C-20G Aircraft TECHEVAL	FY94	Completed
PDA	Began Incorporation of EDZ-884 Modification to C-20G Aircraft	FY94	Completed
TSA	Began C-20G Aircraft Initial Training	FY94	Completed
PDA	Delivered one C-20G Aircraft to MASD Andrews	Dec 94	Completed
PDA	Delivered two C-20G Aircraft to VR-51	Dec 94	Completed
PDA	Promulgated OLSP Update	Oct 96	Completed
PDA	Completed Incorporation of EGPWS Modification to C-20D/G Aircraft	FY99	Completed
PDA	Completed Incorporation of FMS Modification to C-20D/G Aircraft	FY99	Completed
PDA	Completed Incorporation of TCAS-2000 to C-20D/G Aircraft	FY99	Completed
PDA	Promulgate C-20D/G Draft NTSP (Update)	Mar 01	Pending

**PART V - MPT MILESTONES**

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	Transfer MASD C-20G Aircraft to MCAS Kaneohe Bay, Hawaii	Jun 01	Pending

**PART VI - DECISION ITEMS / ACTION REQUIRED**

<b>DECISION ITEM OR ACTION REQUIRED</b>	<b>COMMAND ACTION</b>	<b>DUE DATE</b>	<b>STATUS</b>
Need final approval for NEC 8314 as C-20G Organizational Maintenance Technician.	N789		Pending
Need final determination if C-20D Organizational Maintenance Technician will be awarded a C-20D NEC.	N789		Pending
Officially transfer C-20G Aircraft serial number 165153 from MASD, NAF Washington, to MCAS Kaneohe Bay.	PMA207		Pending
Need completion and final approval of C-20D and C-20G Organizational Maintenance Technician CINs and CDPs.	CNET		Pending

## PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
<b>CAPT Owen Fletcher</b> Deputy Aviation Maintenance Programs CNO, N781B fletcher.owen@hq.navy.mil	<b>COMM:</b> (703) 604-7747 <b>DSN:</b> 664-7747 <b>FAX:</b> (703) 604-6972
<b>CDR Wanda Janus</b> Resource Sponsor / Program Sponsor CNO, N785D1 janus.wanda@hq.navy.mil	<b>COMM:</b> (703) 697-9359 <b>DSN:</b> 227-9359 <b>FAX:</b> (703) 695-7103
<b>CAPT Terry Merritt</b> Head, Aviation Technical Training Branch CNO, N789H merritt.terry@hq.navy.mil	<b>COMM:</b> (703) 604-7730 <b>DSN:</b> 664-7730 <b>FAX:</b> (703) 604-6939
<b>AZCS Gary Greenlee</b> NTSP Manager CNO, N789H1A greenlee.gary@hq.navy.mil	<b>COMM:</b> (703) 604-7743 <b>DSN:</b> 664-7743 <b>FAX:</b> (703) 604-6939
<b>CDR Kevin Neary</b> Aviation Manpower CNO, N122C1 n122c1@bupers.navy.mil	<b>COMM:</b> (703) 695-3247 <b>DSN:</b> 225-3247 <b>FAX:</b> (703) 614-5308
<b>Mr. Robert Zweibel</b> Training Technology Policy CNO, N795K zweibel.robert@hq.navy.mil	<b>COMM:</b> (703) 614-1344 <b>DSN:</b> 224-1344 <b>FAX:</b> (703) 695-5698
<b>MAJ Tony Howard</b> C-20 Resource Sponsor CNO, N780G1 howard.tony@hq.navy.mil	<b>COMM:</b> (703) 693-2933 <b>DSN:</b> 225-2933 <b>FAX:</b> (703) 695-1247
<b>LCDR Matthew Browning</b> C-20 Aviation Technical Training Manager CNO, N789H4 browning.matthew@hq.navy.mil	<b>COMM:</b> (703) 604-7739 <b>DSN:</b> 664-7739 <b>FAX:</b> (703) 604-6969
<b>COL Dennis Bartels</b> Branch Head, USMC Aviation Manpower Management CMC, ASM-1 bartelsd@hqmc.usmc.mil	<b>COMM:</b> (703) 614-1244 <b>DSN:</b> 224-1244 <b>FAX:</b> (703) 614-1309
<b>LTCOL Angela Clingman</b> USMC Aircraft Maintenance Officer CMC, ASL-33 clingmanab@hqmc.usmc.mil	<b>COMM:</b> (703) 614-1187 <b>DSN:</b> 224-1187 <b>FAX:</b> (703) 697-7343

## PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
<b>MAJ Greg Grinaker</b> C-20 Requirements Officer CMC, APW-61 grinakergj@hqmc.usmc.mil	<b>COMM:</b> (703) 614-1729 <b>DSN:</b> 224-1244 <b>FAX:</b> (703) 614-2318
<b>GYSGT Mark Behan</b> Marine Corps Force Structure CMC, ASM-42 behanmr@hqmc.usmc.mil	<b>COMM:</b> (703) 614-1556 <b>DSN:</b> 224-1556 <b>FAX:</b> (703) 614-1309
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